

FLOODPLAINS BY DESIGN:

DEPARTMENT OF
ECOLOGY
State of Washington

Floodplains by Design
- REDUCING RISK, RESTORING RIVERS -

Program Goals

Floodplains by Design
is a collaborative partnership led by:
The Nature Conservancy
Department of Ecology &
Puget Sound Partnership

It supports the integration of flood risk reduction and habitat restoration.

We support bringing together everyone with a stake in floodplain management to develop solutions at the scale of each river.

A New Grant Program

Began with the 2013-15 Budget


- Program awarded 50 million for:
- Nine coordinated Puget Sound projects, the C19s
- \$11.25 million for a new competitive grant program (FbD); which funded 13 projects statewide

2015-17 Grant Round

- 71 initial letters of interest (~\$180 M).
- \$50 million in projects proposed
- 35.5 million allotted for new projects

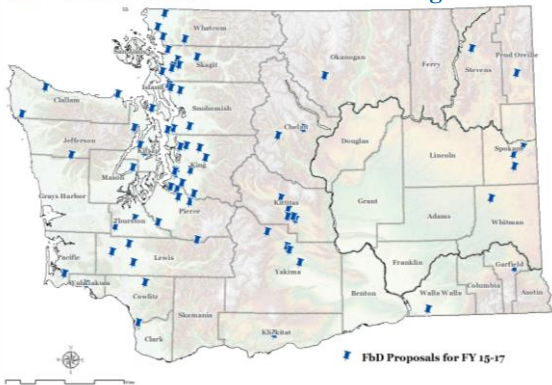
2017-19 Grant Round

- 56 Pre-proposals received, 36 Projects selected for full proposals.
- 24 Large projects, 13 small (500K)
- Final Proposals due: July 1st, 2016



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A Statewide Program



Final Funding List 2015-2017

\$35,560,000 in funding for:		
Yakima County—Ramblers	\$2,123,000	
Pierce Co.—Puyallup	\$9,217,000	
Clallam Co.—Dungeness	\$9,501,600	
King Co.—Boeing/Russell	\$4,900,000	
King Co.—Green River	\$3,648,926	
King Co.—Cedar River	\$5,000,000	
Quinalt Indian Nation	\$560,000	

Why Floodplains...Why Now?



Past practices saw **flood control** work and **habitat restoration** work disconnected and often in conflict.

New approaches and support were needed!

What We're Looking For

- Suite of specific actions
- Significant flood hazard reduction
- Significant Ecosystem restoration
- Strong partnerships and strategies
- Benefits to agriculture, water quality, recreation, other
- Readiness to proceed
- Leveraging of funding



Projects Past and Present



- Floodplains by Design projects are:**
- Reach-scale & multi-benefit
 - Protecting communities from floods
 - Restoring critical fish habitat
 - Supporting agriculture and other floodplain values & uses
 - Consistent with local priorities
 - Flexible and partnership-driven



Lower Dungeness Floodplain Restoration



Key element of broad-based **Dungeness River Management Plan**, developed over many years.

- FbD already funding a suite of work (2013-15 award) from irrigation infrastructure improvements to land acquisition & structure removal.



Anticipated 2015-2017 Outcomes:

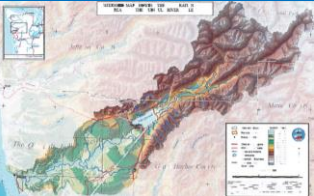
- Setback levee (east bank) reconnecting 112 acres of floodplain, reducing downstream flood risk

Award: \$9,501,600 (Clallam)
Match: \$2,375,400 (USACOE)



Lower Dungeness Levee Setback

Sustainable Management of the Upper Quinault River Floodplain



Primary objectives:

- Flood risk reduction planning
- Salmon habitat restoration design
- Public access and infrastructure protection
- Protecting working forest land

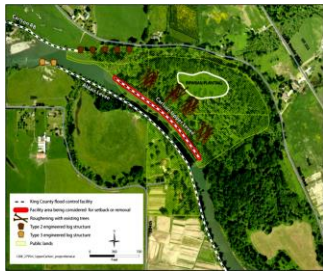


Upper Carlson Levee Setback

- Levee removal & setback to protect property and infrastructure
- Creates in-stream ELJ's to promote spawning and habitat & natural river processes.
- Reconnects ~20 acres of floodplain

Benefits: Flood protection, water quality, habitat restoration.

Broad stakeholder support from the neighboring agricultural properties, restoration experts, and floodplain management specialists.

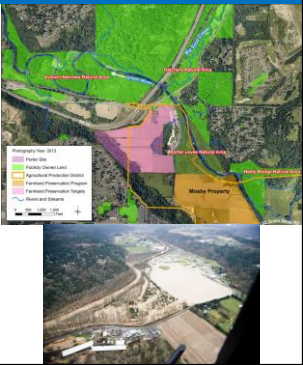


Middle Green Flood, Farmland, & Habitat

Flood hazard reduction, habitat restoration, and farmland preservation incorporated in project design.

- Will protect long-term agricultural use on 112 acres of prime farmland
- Reduce flood risks to an arterial road and adjacent farmland via setback facility.
- Creates/preserves salmon habitat.

Culmination of 14 years of restoration projects in the reach!



Eligible Project Types

- Construction
- Design and Engineering
- Land Purchase
 - Willing Seller Only
 - Public Access & Land Stewardship elements
 - No State Agency Land Ownership
- Pre-construction (conditionally eligible)
 - Reach studies or area-specific assessments of floodplain needs
 - Project-specific stakeholder engagement and feasibility work.

New Funding Category

Created to provide better opportunities for smaller projects and/or smaller systems.

Focus still needs to be on the largest rivers in your community.

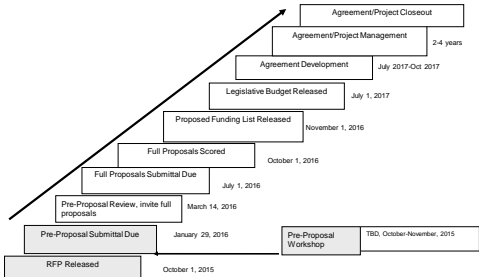
- Small Projects: \$500,000 or less
- Same elements as larger project, but smaller costs

Project Ranking and Selection

- Proposals are evaluated via a two step process:
 1. Pre-application
 2. Full application submissions
- Scoring and ranking process is completed by a multi-disciplinary technical team from various backgrounds.
- Floodplains by Design Management Team members from Ecology, The Nature Conservancy and Puget Sound Partnership select the final proposals for inclusion in the Governor's budget.

2017-2019 Timeline

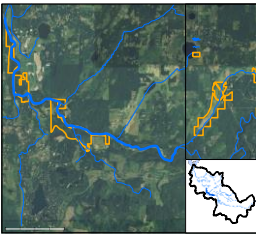
2017-2019 Biennium Floodplains by Design Funding Cycle Steps



Looking Ahead to 2017-19

Potential Projects:

Nisqually Property Acquisitions



Stillaguamish Restoration Design



[illegible]

- Flood threats and ecosystem needs must be **significant and durable**.
- Other project types?
- Dollar limits?



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